Version française incluse.
Versión española incluída.

NORTEL NETWORKS

Meridian External Alerter and Recording Interface

Installation and Application Guide

Important:

CONCERNING THE LEGALITY OF RECORDING CONVERSATIONS

The Meridian External Alerter and Recording Interface does not provide record beep tones and its use to record conversations may violate local laws. It is the responsibility of the user to ensure compliance with local laws concerning the recording of conversations.

CONCERNING SAFETY & EXPOSED WIRING

The Meridian External Alerter and Recording Interface outputs are not rated for connection to exposed wiring that may potentially receive hazardous voltages. Therefore, any wiring connected to the Meridian External Alerter and Recording Interface may not run outside of a building.

About the Meridian External Alerter and Recording Interface

The Meridian External Alerter and Recording Interface connects to any M3900 series Meridian Digital Telephone except the M3901 which has no accessory port. In order to use the Meridian External Alerter And Recording Interface accessory, the telephone must be equipped with the M3900 series ACM (Accessory Connection Module) in the footstand and the power supply (purchase separately).

The Meridian External Alerter and Recording Interface provides relay contact outputs for both ringing and call status (off-hook condition) for activation of third party peripheral products such as loud ringers or call-in-progress indicators. Additionally, the Meridian External Alerter and Recording Interface provides an audio output connection to voice recording equipment (as permitted by law).**

The audio output level from the Meridian External Alerter and Recording Interface can vary with handset, headset, or hands-free. Levels may also vary between local and remote speech, and between users. For this reason, voice recorders with ALC (automatic level control) circuitry will provide the best quality recordings and uniform recorded speech level. This is especially true for recording hands free conversations which can provide the greatest range of speech level.

The Meridian External Alerter and Recording Interface provides:

- Ring relay contact
- Call status (off-hook) relay contact
- Record audio

Since all three output signals operate independently, the Meridian External Alerter and Recording Interface can be used for more than one purpose such as for loud ringing, call in progress indication and recording.

The Meridian External Alerter and Recording Interface does not require any software or system configuration.

** *Refer to important statement CONCERNING THE LEGALITY OF RECORDING CONVERSATIONS (ON PAGE 2)*

Installation

The Meridian External Alerter and Recording Interface can be installed in the large or small port of a M3902, M3903, M3904 or M3905 Meridian Digital Telephone. Three output connectors are provided on the back of the Meridian External Alerter and Recording Interface cartridge as shown in Figure 1.0. There is no need to disconnect the power supply from the telephone prior to insertion or extraction of the Meridian External Alerter and Recording Interface cartridge.

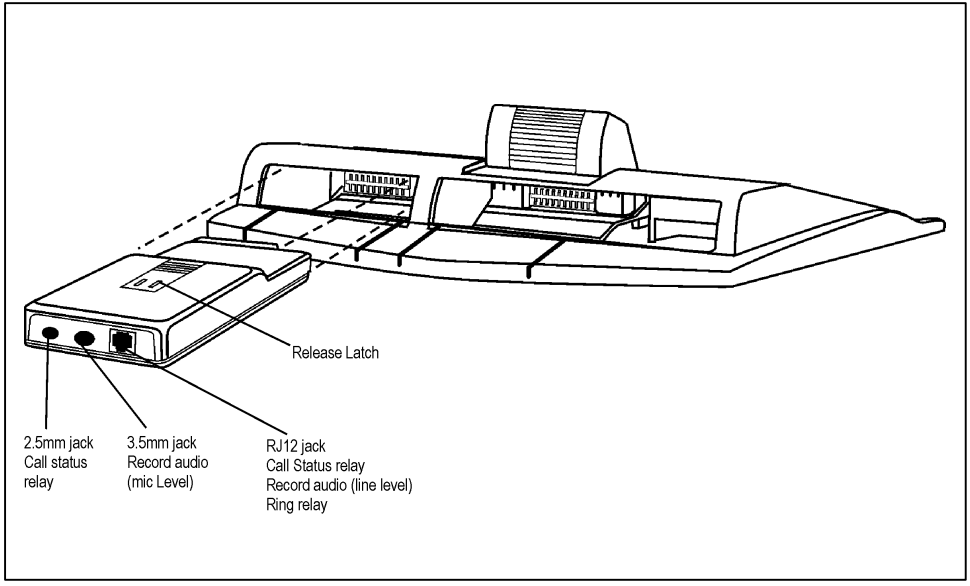

Figure 1.0

Installation (Cont'd)

1. The RJ12 modular jack provides access to all three output signals and is intended for wiring connection to remotely located equipment (not on the desktop). Connections are as follows:

Position	Wire color	Function
3, 4 center pair	Green, Red	Call status relay contact
2, 5 2nd pair	Black, Yellow	Record audio (line level)
1, 6 3rd pair	White, Blue	Ring relay contact

No wiring connected to The Meridian External Alerter and Recording Interface is permitted to go outside of a building for safety purposes.

2. The center round connector is a 3.5 mm audio jack that provides the record audio signal between tip and sleeve at a reduced level for connection to the mic input of a desktop voice recorder.

3. The smaller round connector is a 2.5 mm jack that provides the call status relay contacts between tip and sleeve for activation of a desktop voice recorder or connection to a call in progress indicator lamp.

Application Example 1

Loud ringer connected to the Meridian External Alerter and Recording Interface through the RJ12 jack.

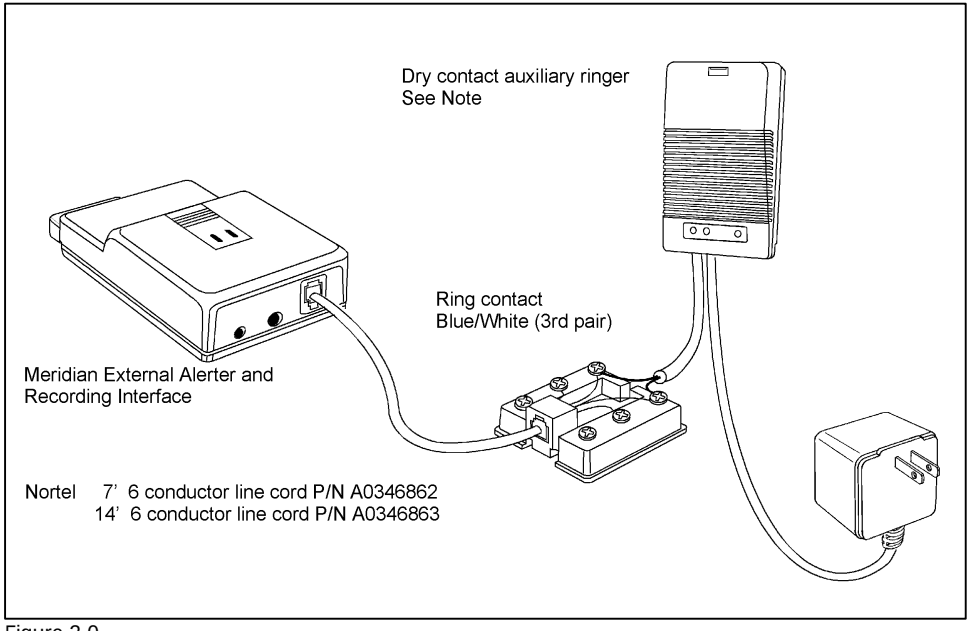
Dry contact auxiliary ringer
See Note
Ring contact
Blue/White (3rd pair)
Meridian External Alerter and
Recording Interface
Nortel 7' 6 conductor line cord P/N A0346862
14' 6 conductor line cord P/N A0346863

Figure 2.0

Note: Such as 1825P Duet Plus from Algo Communication Products Ltd. or equivalent.
For more information: www.algo.ca or (604) 454-3790.

Application Example 2

Desk top voice recording

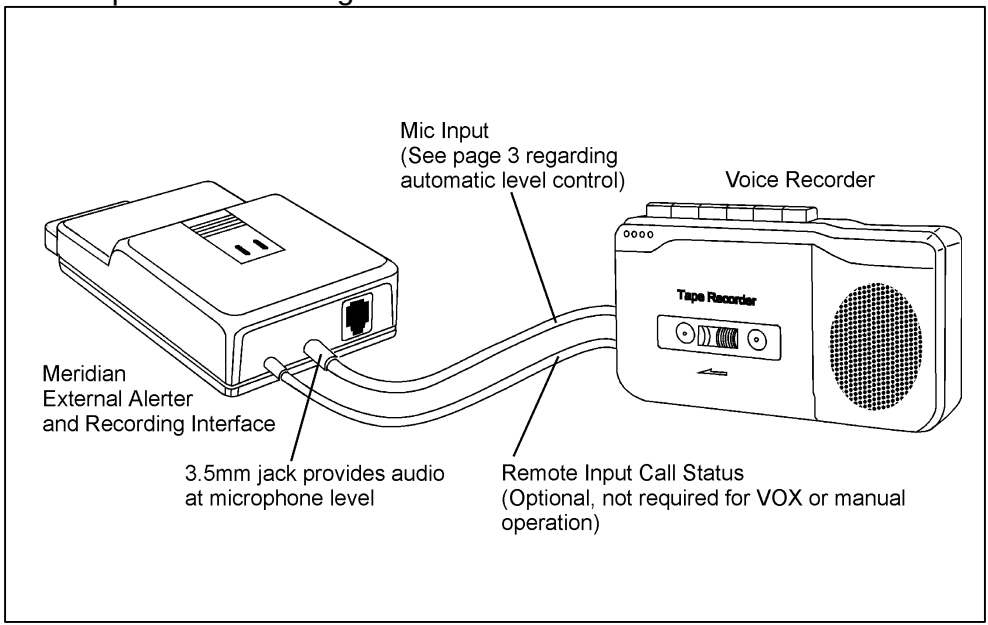

Figure 3.0

Application Example 3

Call in progress indicator

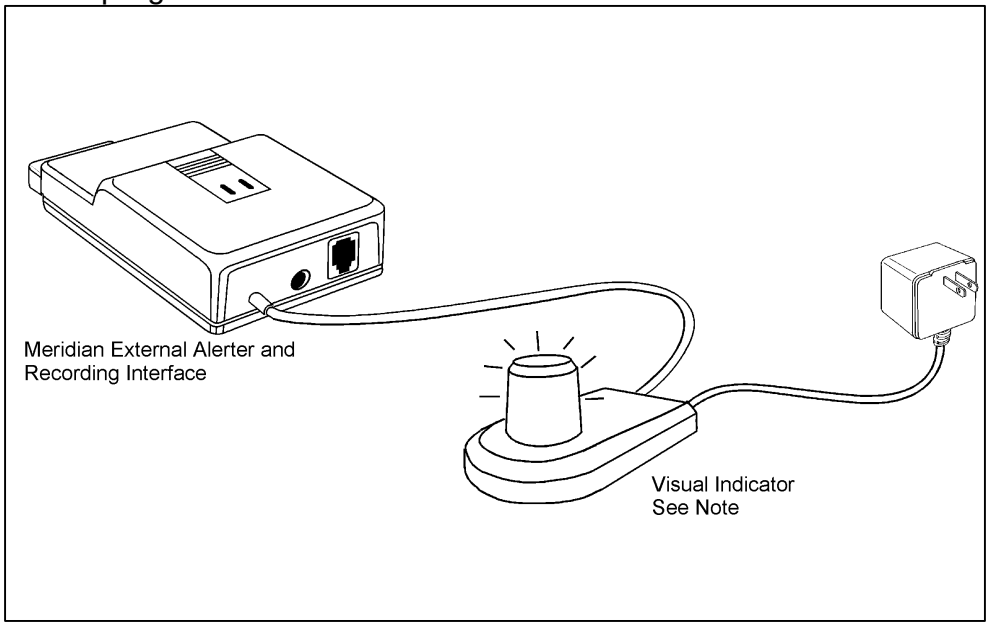

Figure 4.0

Note: Such as 1126P Strobe Light or 1127P Desktop Visual Alerter (shown) from Algo Communication Products Ltd. or equivalent.
For more information: www.algo.ca or (604) 454-3790.

Application Example 4

Remote voice recording using Call Status

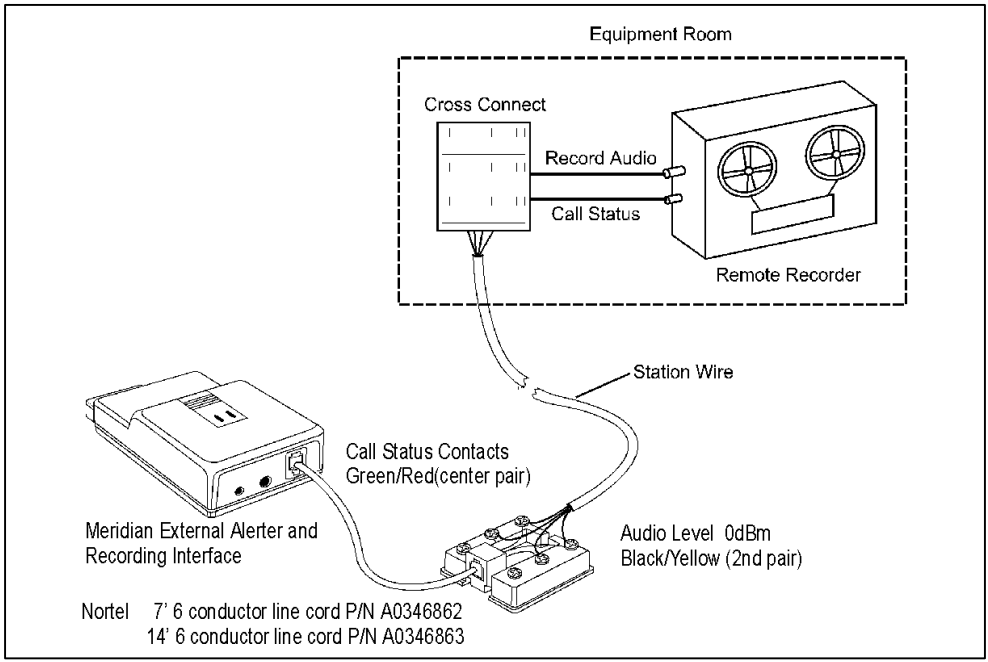

Figure 5.0

Specifications

Ring relay contact	Normally open, max 50 mA 30 V
Call status relay contact	Normally open, max 50 mA 30 V
Record audio level (RJ12 jack)	Nominal -12dBm, 600 Ohm
Record audio level (3.5mm jack)	Nominal -52 dBu, microphone level
Operating Temperature	0 °C to 50°C, (32°F to 122°F)
Humidity	5% to 95% Relative Humidity
Dimensions (H x W x D)	1.25 x 3.75 x 4.65 inches 3.2 x 9.5 x 11.8 centimeters
Weight	4oz,104g
Compatibility	M3902*, M3903*, M3904*, M3905* * equipped with M3900 series ACM and power supply

Troubleshooting

1. Ensure that the ACM (Accessory Connection Module) power supply is connected to the telephone and plugged into a working AC outlet.

2. Ensure that the Meridian External Alerter and Recording Interface is completely inserted and the release latch is engaged.

3. If using the RJ12 jack, ensure that the modular cord contains 6 wires. If using the 2.5mm or 3.5mm jacks ensure that the plugs are fully inserted.

Title to and ownership of Meridian 1 software shall at all times remain with Northern Telecom. Meridian 1 software shall not be sold outright and the use thereof by the customer shall be subject to the parties entering into a software agreement as specified by Northern Telecom.

Information contained in this document is subject to change. Northern Telecom reserves the right, without notice, to make changes in equipment design or program components as progress in engineering, manufacturing or technology may warrant.

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